Index of Claims

|  | Appl | ication | /Contro | l No. |
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10/738,366

Examiner

Matthew J. Smith

Applicant(s)/Patent under Reexamination

AKSELBERG, FRANK

Art Unit

3672

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| -  | (Through numeral)<br>Cancelled |
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|--|--|----------|----------|----------|----------|----------|------------|--------------|----------|----------|----------|--------------|----------|----------|------------|----------|--|----------|---------|---------|----------|----|--------------|----------|----------|----------|----------|----------------|----------|----------|-----------|---|--------------|
| 1  |  |          | $\vdash$ |          |          |          | 7316       | <del>-</del> |          |          | $\dashv$ | <del> </del> | Ī        | +-       | П          | $\neg$   | ᅱ  | T        | 7       | _       | Т        | ł  | H-51         |          | $\vdash$ |          | _        | <del>- 1</del> | rait     | _        | T         | - | _            |
| 2  | Final  | Original |          |          |          | 8/1/06   |            |              |          |          |          | Final        | Original |          |            |          |  |          |         |         |          |    | Final        | Original |          |          |          |                |          |          |           |   |              |
| 2  |  | 1        |          |          |          | 7        |            |              |          |          |          |              | 51       |          | H          | $\dashv$ | $\dashv$                                       | 1        | $\top$  | 十       | +        | 1  |              | 101      | $\vdash$ | $\vdash$ |          | $\neg$         |          |          | i         |   |              |
| 3  |  |          |          | П        |          |          |            |              |          |          | $\neg$   |              |          |          | П          | _        | _  | ┪        | $\top$  | 十       | +-       | 1  |              |          | $\vdash$ | H        |          |                |          |          |           |   |              |
| 4  |  |          |          |          |          | 0        |            | T            |          |          | $\neg$   |              |          | T        | П          | $\neg$   | $\dashv$                                       | 寸        | $\neg$  | 十       | $\top$   | 1  |              |          |          | П        |          |                |          | Н        |           | _ |              |
| 5  |  | 4        |          |          |          | 1        |            |              |          |          |          |              |          |          | П          | $\neg$   | _  | 寸        | $\top$  | 十       | $\top$   | 1  |              |          |          | П        |          |                |          |          |           | - |              |
| 6  |  | 5        |          |          |          | 0        |            |              |          | П        |          |              |          | 1        | П          | 寸        |  |          |         | T       |          | 1  |              |          | Г        |          |          |                |          |          |           |   |              |
| 8  |  | 6        |          |          |          | 0        |            |              |          |          |          |              | 56       |          | П          |          |  |          |         | $\top$  |          | 1  |              |          |          | П        |          | $\neg$         |          |          |           |   |              |
| 9  |  | 7        |          |          |          | 1        |            |              |          |          |          |              |          |          | П          | $\neg$   |  | T        |         | $\top$  | $\top$   | 1  |              | 107      |          | П        |          |                |          |          |           |   |              |
| 10   |  |          |          |          |          |          |            |              |          |          |          |              |          |          |            |          |  |          |         |         |          | ]  |              |          |          |          |          |                |          |          |           |   |              |
| 11   |  |          |          |          |          |          |            |              |          |          |          |              |          |          |            |          |  |          |         |         |          | ]  |              |          |          |          |          |                |          |          |           |   |              |
| 12   |  |          |          |          |          |          |            |              | Ш        | $\Box$   | _        |              |          |          |            |          |  | $\Box$   |         |         |          | ]  |              |          |          |          |          |                |          |          |           |   |              |
| 113  |  |          |          |          |          | _        |            |              |          |          |          |              |          | <u> </u> | Ш          |          |  | _        | L       | $\perp$ |          | ]  |              |          |          |          |          |                |          |          |           |   |              |
| 14   |  |          | <u> </u> |          |          | =        |            | L            |          |          | _        | <u> </u>     |          | ┖        | Ш          | _        | $\perp$  | _        | $\perp$ | ┸       |          | ]  |              |          |          |          |          | $\Box$         |          |          |           |   |              |
| 15   | $\longrightarrow$                                |          |          |          | _        |          |            |              |          |          | 4        | <u> </u>     |          | ┖        | Ш          | _        | 4  | 4        |         | 1_      |          | 1  |              |          |          |          |          | _              |          |          |           |   | <u></u>      |
| 16   | $\sqcup \sqcup$                                  |          |          | Ш        |          |          |            | <u> </u>     |          |          | _        | <u> </u>     |          | <u> </u> | 니          | _ļ       | _  |          | $\perp$ | $\perp$ | +        |    | oxdot        |          | <u> </u> | Ш        | $\Box$   | _              |          | Ш        |           |   | <u>_</u>     |
| 17   18   68   117   118   119   119   119   119   120   119   120   121   121   122   122   122   122   123   123   123   123   123   123   124   125   126   126   126   126   126   126   126   126   127   128   129   130   130   130   130   131   130   130   131   130   131   131   131   131   131   131   131   133   133   133   133   133   133   133   133   133   133   133   133   133   133   133   134   134   135   135   136   136   137   137   138   139   139   140   141   141   141   141   141   142   143   144   144   144   144   144   144   144   144   144   144   144   145   146   147   148   146   147   148   146   147<  | <b>  </b>  |          |          | Ш        |          | _        |            |              |          |          | 4        | <u> </u>     |          | ↓_       |            |          | _  | _        |         | _       | 4        |    |              |          | Щ        |          |          |                |          |          |           |   | <u></u>      |
| 18   | <b></b>  |          |          |          |          |          |            | _            |          | _        | 4        | -            |          | ┞        | Ш          | _        | $\dashv$                                       | _        | $\bot$  | $\bot$  | _        |    | $\sqcup$     |          | ldash    | Ш        |          |                |          |          |           |   | <u> </u>     |
| 19   0   0   119   120   121   120   121   121   122   122   122   122   122   123   123   123   123   123   124   124   124   124   125   125   125   125   126   126   127   127   127   127   127   128   128   129   130   130   130   130   131   131   132   132   132   132   132   133   131   131   132   133   133   134   134   134   134   134   134   134   134   134   134   135   136   136   136   137   136   137   138   138   138   139   140   141   141   141   141   141   142   143   143   144   144   144   145   146   147   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148 <td><del></del></td> <td></td> <td>_</td> <td>Ш</td> <td>_</td> <td></td> <td></td> <td>_</td> <td>L.</td> <td></td> <td></td> <td><u> </u></td> <td></td> <td>╙</td> <td>Ш</td> <td>_</td> <td>_</td> <td>4</td> <td>4</td> <td>4</td> <td>_</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>_</td> <td></td> <td></td> <td>Ш</td> <td></td> <td></td> <td><u></u></td>  | <del></del>                                      |          | _        | Ш        | _        |          |            | _            | L.       |          |          | <u> </u>     |          | ╙        | Ш          | _        | _  | 4        | 4       | 4       | _        |    |              |          | _        |          | _        |                |          | Ш        |           |   | <u></u>      |
| 20   120   120   121   121   121   122   122   123   123   123   123   124   124   124   124   125   125   125   125   125   125   125   125   126   127   127   127   127   127   127   128   128   129   129   129   129   129   129   129   130   130   131   131   131   131   131   131   131   131   133   133   133   133   133   133   133   133   134   134   134   134   134   134   134   135   135   136   136   137   136   137   136   137   138   138   139   140   140   140   141   141   141   142   142   143   143   143   144   145   145   146   147   147   148   148   148   148   148   148   148   148   148   148   148   148   14  | $\vdash$   |          |          | Ш        |          |          |            |              |          |          | _        | <u> </u>     |          | $\vdash$ | Ш          | $\dashv$ | -  | -        |         | $\perp$ |          |    | $\sqcup$     |          | ļ        |          | _        | _              |          |          | _         |   | <u></u>      |
| 21   71   72   121   122   123   123   123   123   124   124   124   124   124   125   126   126   126   127   127   126   127   127   128   128   129   129   129   129   129   130   130   131   130   131   131   131   131   131   131   131   132   132   133   133   133   133   133   133   133   133   133   133   134   134   135   135   136   136   137   137   137   137   137   137   137   137   138   139   139   139   139   139   139   139   140   141   141   141   142   143   144   144   144   144   144   145   146   147   146   147   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148<  | $\longmapsto$                                    |          | $\vdash$ |          | _        | _        |            | Ŀ            |          |          | _        | <u> </u>     |          | <u> </u> |            | $\dashv$ | _  | 4        | $\perp$ | $\bot$  | $\bot$   |    |              |          | $\vdash$ |          | _        | _              |          | Щ        |           |   | <u> </u>     |
| 22     122     123     124     124     123     124     124     124     124     124     125     125     125     125     126     126     126     127     127     128     129     129     129     129     129     130     130     131     131     131     131     132     133     133     133     133     133     133     133     133     133     133     133     133     133     133     134     134     134     135     135     136     136     137     138     135     136     137     138     139     139     139     140     141     141     141     141     141     142     143     144     144     144     144     144     144     144     144     144     144     145     146     147     148     148     148     148     148     148     148     148     148     148     148     148     148   | $\vdash$   |          |          |          |          |          |            | <u> </u>     |          | _        | _        | <b> </b>     |          | ╄        | Ш          | -        | $\dashv$                                       | _        |         | $\bot$  | _        |    | <b></b>      |          | Щ        | Щ        | _        | _              |          |          |           |   | <u> </u>     |
| 23   123   124     25   76   125     26   76   126     27   77   127     28   78   129     30   80   130     31   81   131     32   83   133     33   83   133     34   84   134     35   85   135     36   86   136     37   86   136     39   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   96   146     47   97   147     48   148   148  | $\vdash$   |          | $\vdash$ | Щ        |          | _        |            | _            |          | -        | 4        | -            |          | ┡        | Н          | $\dashv$ | 4  | 4        | -       | 4       | _        | ļ  | $\vdash$     |          |          | Ш        | _        | _              |          |          | _         |   |              |
| 24   124   124   125   125   125   125   126   126   126   127   127   127   127   127   128   128   128   129   129   129   129   129   130   130   131   130   131   131   132   132   132   133   133   133   133   133   133   133   133   133   133   133   134   135   135   135   136   136   137   137   138   139   139   139   139   139   139   139   139   140   141   141   141   141   141   142   143   144   144   144   144   144   144   144   144   145   145   146   146   14  | $\vdash\vdash\vdash$                             |          | $\vdash$ |          | -        |          |            | <u> </u>     |          |          | -        |              |          | ┼-       | $\vdash$   |          | -  | +        | +       | +       |          |    |              |          |          | Н        | -        |                |          |          | _         | _ | <u> </u>     |
| 25     125       26     126       27     126       77     128       29     128       30     129       30     130       81     131       82     132       83     133       34     84       35     85       36     85       37     88       38     135       38     135       38     135       39     89       40     90       41     91       42     92       43     94       44     94       46     96       46     97       48     148  | $\vdash$   |          | $\vdash$ |          |          |          | _          | <u> </u>     |          |          | 4        | <u> </u>     |          | ╀        | $\vdash$   | -        | -  | -+       | +       | +       |          |    | $\vdash$     |          |          | $\sqcup$ | _        |                | _        | _        | $\dashv$  | _ |              |
| 26     76     126     127       27     78     128     129       29     79     129     129       30     80     130     131       31     81     131     131       32     83     133     133       33     84     134     134       35     85     135     135       36     86     136     137       38     88     138     138       39     90     140     141       41     91     144     141       42     92     142     142       43     94     144     144       45     95     145     146       47     97     148     146  | <del>                                     </del> |          | ⊢        | Н        | $\dashv$ | -        |            |              | -        | $\dashv$ | $\dashv$ | -            |          | ╀        |            | $\dashv$ | -  | +        | +       | +       | +        |    | $\vdash$     |          |          | Н        | -        | _              |          | Ш        | _         |   |              |
| 27   28   77   127   128   128   129   129   129   129   130   130   131   131   130   131   131   131   131   131   131   132   132   132   132   133   133   133   134   134   134   134   134   134   135   135   135   135   135   136   137   137   137   138   138   138   138   138   138   138   139   140   141   141   141   141   142   142   142   143   144   144   144   144   144   144   144   144   144   144   144   145   146   146   147   148<  | $\vdash$   |          | $\vdash$ | -        |          |          |            | -            |          | $\dashv$ | $\dashv$ |              |          | ╁        | H          | $\dashv$ | $\dashv$                                       | +        |         | ╁       | +        |    | ⊢⊣           |          |          | $\vdash$ | -        | $\dashv$       |          | $\vdash$ | -         |   | <u> </u>     |
| 28   78   128     29   129     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   88     40   90     41   91     42   92     43   94     44   95     46   96     47   98   | <del>  </del>                                    |          |          | Н        |          |          | -          | -            | Н        | $\dashv$ | $\dashv$ |              |          | ╁╾       | H          | $\dashv$ |  | +        | +       | ╁       | +-       |    | -            |          |          | $\vdash$ |          |                |          |          | $\dashv$  |   | <u> </u>     |
| 29   79   129     30   130   130     31   131   131     32   132   132     33   133   133     34   134   134     35   135   135     36   86   136     37   88   136     39   88   138     39   89   139     40   90   140     41   91   141     42   93   143     44   94   144     45   95   145     46   96   146     47   98   148  |  |          | Н        | $\vdash$ |          | -        |            | -            | Н        | $\dashv$ | $\dashv$ |              |          | ╁╌       | $\vdash$   | -        | $\dashv$                                       | +        | +       | +       | +        |    | $\vdash$     |          | $\vdash$ | H        | -        | $\dashv$       |          | Н        | -         |   | <del> </del> |
| 30   | $\vdash$   |          | Н        |          | -        | -        |            |              | Н        | $\dashv$ | $\dashv$ | -            |          | ╁        | $\vdash$   | $\dashv$ | $\dashv$                                       | +        | +       | ╁       | ╅        | 1  | $\vdash$     |          | -        | $\vdash$ | $\dashv$ | $\dashv$       | _        |          | +         |   |              |
| 31 81   32 131   33 132   33 133   34 84   35 85   36 86   37 88   39 88   40 90   41 91   42 92   43 93   44 94   45 96   46 96   47 98   |  |          |          | $\vdash$ |          | -        |            | $\vdash$     | H        |          | $\dashv$ | <u> </u>     |          | ╁        | $\vdash$   | $\dashv$ | $\dashv$                                       | +        | +       | ┿       | +        | 1  | $\vdash$     | 130      | $\vdash$ | $\vdash$ | $\dashv$ |                | _        | Н        | -         |   | <u> </u>     |
| 32 33   34 35   36 85   37 88   39 88   40 90   41 91   42 92   43 93   44 94   45 96   48 98   146 97   148   |  |          | Н        |          |          |          |            |              | Н        |          | $\dashv$ |              |          | ╁        | H          | $\dashv$ | $\dashv$                                       | -        | +       | +       | +-       | 1  | $\vdash$     |          |          | Н        | $\neg$   | $\dashv$       |          | $\vdash$ | -         |   |              |
| 33   34   35   34   35   36   35   36   37   36   37   38   39   38   39   39   38   39 <td< td=""><td></td><td></td><td></td><td></td><td><math>\dashv</math></td><td><math>\dashv</math></td><td></td><td></td><td>Н</td><td></td><td><math>\dashv</math></td><td></td><td></td><td>╁</td><td></td><td>7</td><td><math>\dashv</math></td><td><math>\dashv</math></td><td>_</td><td>+</td><td>+</td><td>1</td><td></td><td></td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>_</td></td<>  |  |          |          |          | $\dashv$ | $\dashv$ |            |              | Н        |          | $\dashv$ |              |          | ╁        |            | 7        | $\dashv$                                       | $\dashv$ | _       | +       | +        | 1  |              |          | -        | -        |          |                |          |          | -         | - | _            |
| 34   35   134   134   135     36   86   136   137   137   137     38   88   138   138   139   139   139   139   140   140   141   141   141   141   141   142   142   142   142   143   143   144   144   144   144   144   145   146   146   147   147   148 <td></td> <td></td> <td>П</td> <td></td> <td>寸</td> <td></td> <td></td> <td></td> <td>П</td> <td></td> <td><math>\neg</math></td> <td></td> <td></td> <td>+-</td> <td></td> <td>寸</td> <td><math>\dashv</math></td> <td></td> <td><math>\top</math></td> <td>十</td> <td><math>\top</math></td> <td>ĺ.</td> <td><math>\vdash</math></td> <td>133</td> <td></td> <td><math>\dashv</math></td> <td><math>\dashv</math></td> <td>_</td> <td><math>\vdash</math></td> <td></td> <td></td> <td></td> <td></td>   |  |          | П        |          | 寸        |          |            |              | П        |          | $\neg$   |              |          | +-       |            | 寸        | $\dashv$                                       |          | $\top$  | 十       | $\top$   | ĺ. | $\vdash$     | 133      |          | $\dashv$ | $\dashv$ | _              | $\vdash$ |          |           |   |              |
| 35   36   37   38   37   38   39   38   39   38   39 <td< td=""><td></td><td></td><td></td><td></td><td>一</td><td></td><td></td><td></td><td>Н</td><td></td><td>┪</td><td></td><td></td><td>✝</td><td></td><td><math>\dashv</math></td><td><math>\dashv</math></td><td>十</td><td><math>\top</math></td><td><math>\top</math></td><td><math>\dashv</math></td><td>1</td><td><math>\vdash</math></td><td></td><td></td><td>Н</td><td></td><td></td><td>_</td><td></td><td>_</td><td></td><td></td></td<>  |  |          |          |          | 一        |          |            |              | Н        |          | ┪        |              |          | ✝        |            | $\dashv$ | $\dashv$                                       | 十        | $\top$  | $\top$  | $\dashv$ | 1  | $\vdash$     |          |          | Н        |          |                | _        |          | _         |   |              |
| 36   37   38   37   38   39   38   39 <td< td=""><td></td><td>35</td><td></td><td></td><td>寸</td><td></td><td></td><td></td><td>П</td><td></td><td><math>\neg</math></td><td></td><td></td><td></td><td>П</td><td>T</td><td>T</td><td>_</td><td><math>\top</math></td><td><math>\top</math></td><td><math>\top</math></td><td>1</td><td><math>\sqcap</math></td><td></td><td><math>\Box</math></td><td><math>\Box</math></td><td><math>\neg</math></td><td><math>\neg</math></td><td>П</td><td>П</td><td></td><td></td><td></td></td<>   |  | 35       |          |          | 寸        |          |            |              | П        |          | $\neg$   |              |          |          | П          | T        | T  | _        | $\top$  | $\top$  | $\top$   | 1  | $\sqcap$     |          | $\Box$   | $\Box$   | $\neg$   | $\neg$         | П        | П        |           |   |              |
| 37   88   137   138   138   138   139   139   139   139   139   140   140   140   140   140   141   141   141   141   141   141   141   142   142   142   142   143   143   143   144   144   144   144   145   145   146   146   147   147   148  |  |          |          | П        | 寸        |          |            |              | П        | $\neg$   | $\neg$   |              |          | $\top$   | П          | $\neg$   |  | $\dashv$ | $\top$  | 1       | $\top$   | 1  | $\Box$       | 136      | П        | П        |          | $\neg$         |          | П        | $\dashv$  |   |              |
| 38   |  | 37       |          |          |          |          |            |              |          |          |          |              |          | Γ        |            | T        | T  |          | 十       | T       |          | 1  | Г            |          |          | П        |          |                |          |          | $\neg$    |   |              |
| 39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148  |  |          |          |          |          |          |            |              |          |          |          |              | 88       |          |            |          |  |          |         | Ι       |          | ]  |              | 138      | П        |          |          | $\neg$         |          |          | $\neg$    |   |              |
| 40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148  |  |          |          |          |          |          |            |              |          |          |          |              | 89       | Γ        |            |          |  |          |         |         |          | ]  |              | 139      |          |          |          |                |          |          |           |   |              |
| 42 92 142   43 93 143   44 94 144   45 95 145   46 96 146   47 97 147   48 98 148  |  |          |          |          |          |          |            |              |          |          |          |              |          |          |            |          |  |          |         |         | $\perp$  | ]  |              | 140      |          |          |          | 1              |          |          |           |   |              |
| 43 93   44 94   45 95   46 96   47 97   48 98  |  |          |          |          |          |          |            |              |          |          |          |              | 91       |          |            |          |  | $\Box$   | I       | Ι       |          | ]  |              | 141      |          |          |          |                |          |          |           |   |              |
| 44 94   45 95   46 96   47 97   48 98  |  |          |          |          |          |          |            |              |          |          |          |              |          |          |            |          |  |          | Ι       | Ι       |          | ]  |              | 142      |          |          |          |                |          |          |           |   |              |
| 45 95   46 96   47 97   48 98  | ot   |          |          |          |          |          |            |              |          |          | $\Box$   |              | 93       |          | Ш          | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | $\prod$  |         | I       |          |    |              | 143      |          |          |          |                |          |          |           |   |              |
| 46 96   47 146   97 147   48 98  | لــــا   |          | Ш        |          |          |          |            | Ш            |          |          |          |              |          |          | Ш          |          | Ţ  |          |         | $\perp$ |          |    |              |          |          |          |          |                |          |          |           |   |              |
| 47 97 147 148 148 148 148 148 148 148 148 148 148  | igsquare   |          |          |          |          |          |            |              | Ш        |          | _        |              |          |          | Ш          |          | $\perp$  | $\Box$   |         |         |          | ]  |              | 145      |          |          |          |                |          |          |           |   |              |
| 48 98 148 148  |  |          | Ш        |          |          |          |            |              | Ш        |          | _        |              | 96       | L        | Ш          |          | _  | $\perp$  | $\perp$ |         |          | ļ  |              | 146      |          |          |          |                |          |          | $oxed{1}$ |   |              |
|  |  |          | Ш        |          | ļ        |          |            | Щ.           | Ш        | $\Box$   | _        | <u> </u>     |          | $\perp$  | Ш          |          | _  | $\perp$  |         | 4       | _ _      |    | $oxed{oxed}$ |          | $\Box$   |          | ]        | ]              |          | Ш        |           |   | _            |
| 49   | <b>  </b>  | 48       | Щ        |          | _        |          |            | Ш            | Щ        |          | _        |              | 98       | ╀        | Щ          |          |  |          | $\bot$  | 4       |          | ļ  | igsquare     |          | Ш        | Ш        |          |                | Ш        | Ш        | $\perp$   |   | _            |
|  | <b></b>  |          | Ш        |          | 4        |          |            | Щ            | Щ        | 1        | 4        | <u> </u>     | 99       | <b> </b> | $\sqcup$   | _        | _  | 4        | $\bot$  | 4       | 4_       |    | $\sqcup$     | 149      | Ш        | Ц        |          |                | Ш        | Щ        | _         |   |              |
| 50 100 150   | لــــا   | 50       | L_:      | L        |          | لـــا    |            |              | <u> </u> |          | ┙        |              | 100      | <u>L</u> | Ll         | 1        | $\perp$  |          |         |         |          | J  | L            | 150      | L        |          |          |                |          |          |           |   | <u></u>      |